

Appl. No. 09/821,953  
Atty. Docket No. 7973MR  
Amdt. dated November 20, 2003  
Reply to Office Action of July 23, 2003

### AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

*Claims 1-37 (Currently Cancelled)*

38. *(Original)* A cleaning sheet comprising:

- (a) a substrate; and
- (b) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.1 g/m<sup>2</sup> to about 10.0 g/m<sup>2</sup>.

39. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.3 g/m<sup>2</sup> to about 6.0 g/m<sup>2</sup>.

40. *(Original)* The cleaning sheet of Claim 39, wherein said polymeric additive is incorporated onto said substrate at a level of from about 0.5 g/m<sup>2</sup> to about 4.0 g/m<sup>2</sup>.

41. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is a pressure sensitive adhesive comprising:

- (a) an adhesive polymer;
- (b) optionally, a tackifying resin;
- (c) optionally, a plasticizer; and
- (d) optionally, a component selected from the group consisting of diluents, stabilizers, antioxidants, colorants, fillers, and mixtures thereof.

42. *(Original)* The cleaning sheet of Claim 38, wherein said polymeric additive is a tacky polymer selected from the group consisting of: polyisobutylene polymers, alkyl methacrylate polymers, polyalkyl acrylates, and mixtures thereof.

43. *(Original)* A cleaning sheet comprising:

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- (a) a substrate; and
  - (b) a pressure sensitive adhesive incorporated onto said substrate, said pressure sensitive adhesive comprising:
    - (i) an adhesive polymer;
    - (ii) optionally, a tackifying resin;
    - (iii) optionally, a plasticizer; and
    - (iv) optionally, a component selected from the group consisting of diluents, stabilizers, antioxidants, colorants, fillers, and mixtures thereof;
- wherein said pressure sensitive adhesive has an Adhesive Work Value of from about 130 to about 1000.

44. *(Original)* The cleaning sheet of Claim 43, wherein said Adhesive Work Value from about 160 to about 750.

45. *(Original)* The cleaning sheet of Claim 44, wherein said Adhesive Work Value from about 250 to about 650.

46. *(Original)* The cleaning sheet of Claim 43, wherein said pressure sensitive adhesive has an additional adhesive characteristic selected from the group consisting of:

- (a) a Tack Value of from about 100 to about 500;
- (b) a Cohesive/Adhesive Ratio of from about 0.2 to about 20;
- (c) a Stringiness Value of from about 2.5 to about 12.0; and
- (d) combinations thereof.

47. *(Original)* The cleaning sheet of Claim 46, wherein said pressure sensitive adhesive has a Tack Value of from about 150 to about 400.

48. *(Original)* The cleaning sheet of Claim 43, wherein said adhesive polymer is selected from the group consisting of block co-polymers containing polystyrene endblocks, and polyisoprene, polybutadiene, and/or poly ethylene-butylene midblocks; polyolefins such as polyethylene, polypropylene, amorphous polypropylene, polyisoprene, and polyethylene propylene; ethylene-vinylacetate copolymers, polyisobutylene; poly(vinyl ethylene-co-1,4-butadiene); natural rubber [poly cis-isoprene]; polyacrylic acid, preferably 2-ethylhexylacrylate and iso-

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octylacrylate, and polymethacrylic acid or their salt; polydimethylsiloxane, polydiphenylsiloxane, poly methyl phenyl siloxane; polyvinyl alcohol; and mixtures thereof.

49. *(Original)* The cleaning sheet of Claim 43, wherein said adhesive polymer is a cross-linked acrylate polymer.

50. *(Original)* A cleaning sheet comprising:

(a) a substrate; and

(b) a tacky polymer;

wherein said tacky polymer has an said Adhesive Work Value is from about 50 to about 1000.

51. *(Original)* The cleaning sheet of Claim 50, wherein said Adhesive Work Value is from about 75 to about 250.

52. *(Original)* The cleaning sheet of Claim 51, wherein said Adhesive Work Value is from about 100 to about 150.

53. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has a  $T_g$  of from about -150°C to about 0°C.

54. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has a molecular weight of from about about 1000 to about 500,000.

55. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer has an additional adhesive characteristic selected from the group consisting of:

(a) a Tack Value of from about 300 to about 500;

(b) a Cohesive/Adhesive Ratio of from about 0.2 to about 20;

(c) a Stringiness Value of from about 0.4 to about 12.0; and

(d) combinations thereof.

56. *(Original)* The cleaning sheet of Claim 50, wherein said tacky polymer is selected from the group consisting of polyisobutylene polymers, alkyl methacrylate polymers, polyalkyl acrylates, and mixtures thereof.

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57. (Original) The cleaning sheet of Claim 56, wherein said tacky polymer is polyisobutylene polymer.

58. (Original) A cleaning sheet comprising:

(a) a substrate; and

(b) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

wherein said polymeric additive is incorporated onto said substrate in zones comprising a center zone and two side zones; wherein said side zones are located on each side of said center zone; wherein the level of said polymeric additive in said center zone is from about 0 g/m<sup>2</sup> to about 1.5 g/m<sup>2</sup>; and wherein the level of said polymeric additive in said side zones is from about 0.1 g/m<sup>2</sup> to about 5.0 g/m<sup>2</sup>.

59. (Original) The cleaning sheet of Claim 58, wherein said polymeric additive is a pressure sensitive adhesive and has an Adhesive Work Value of from about 130 to about 1000.

60. (Original) The cleaning sheet of Claim 58, wherein said polymeric additive is a tacky polymer and has an Adhesive Work Value of from about 50 to about 1000.

61. (Original) A cleaning implement comprising:

(a) a cleaning sheet comprising:

(i) a substrate; and

(ii) a polymeric additive selected from the group consisting of pressure sensitive adhesive, tacky polymer, and mixtures thereof;

(b) a mop head comprising a leading edge, a trailing edge, and a bottom surface for engaging said cleaning sheet;

wherein said bottom surface of said mop head has a gap at least one of said leading edge or said trailing edge of at least about 1.5 mm; and wherein said polymeric additive is incorporated onto said substrate in zones comprising a center zone and two side zones; wherein said side zones are located on each side of said center zone; wherein the level of said polymeric additive in said center zone is from about 0 g/m<sup>2</sup> to about 1.5 g/m<sup>2</sup>; and wherein the level of said polymeric additive in said side zones is from about 0.1 g/m<sup>2</sup> to about 5.0 g/m<sup>2</sup>.

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62. *(Original)* The cleaning implement of Claim 61, wherein said polymeric additive is a pressure sensitive adhesive and has an Adhesive Work Value of from about 130 to about 1000.

63. *(Original)* The cleaning implement of Claim 61, wherein said polymeric additive is a tacky polymer and has an Adhesive Work Value is from about 50 to about 1000.